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INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/005865

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl⁷ C07D333/46, A61K31/381, 35/78, A61P3/04, 3/10, 43/00, A23L1/30, C12N9/99

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ C07D333/46, A61K31/381, 35/78, A61P3/04, 3/10, 43/00,
A23L1/30, C12N9/99

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004

Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAplus (STN), REGISTRY (STN), MEDLINE (STN), EMBASE (STN), BIOSIS (STN),

BIOTECHABS (STN), WPI (DIALOG), JSTPLUS (JOIS), JMEDPLUS (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

'Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	Masayuki YOSHIKAWA et al., "Salacia-Zoku Shokubutsu no Polyphenol Seibun: α-Glucosidase Oyobi Aldose Reductase Sogai Kassei Seibun", Mangiferin, no Teiryo Bunseki, Journal of the Pharmaceutical Society of Japan, 2001, 121(5), pages 371 to 378, full text	2,3 1,4-6
X Y	YOSHIKAWA, M. et al., Kotalanol, a Potent α-Glucosidase Inhibitor with Thiosugar Sulfonium Sulfate Structure, from Antidiabetic Ayurvedic Medicine Salacia reticulata., Chem. 2 Pharm.Bull., 1998, 46(8), pages 1339 to 1340	2,3 1,4-6

×	Further documents are listed in the continuation of Box C.		See patent family annex.
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	_L	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"L"	earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other	"X" _.	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be
"P"	special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than	•	considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
-	the priority date claimed	"&"	document member of the same patent family
	of the actual completion of the international search 12 August, 2004 (12.08.04)	Date	of mailing of the international search report 31 August, 2004 (31.08.04)
Nam	e and mailing address of the ISA/	Auti	norized officer

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INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP2004/005865		
(Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT			
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X Y	YOSHIKAWA, M. et al., SALACINOL, POTENT ANTIDIABETIC PRINCIPLE WITH UNIQUE THIOSU SULFONIUM SULFATE STRUCTURE FROM THE AYUF TRADICIONAL MEDICINE Salacia reticulata I LANKA AND INDIA., Tetrahedron Lett., 1997 pages 8367 to 8370	CIPLE WITH UNIQUE THIOSUGAR STRUCTURE FROM THE AYURVEDIC INE Salacia reticulata IN SRI Tetrahedron Lett., 1997, 38(48),		
X	MATSUDA, H. et al., Antidiabetic Principl Natural Medicines., IV., Aldose Reductase α-Glucosidase inhibitors from the Roots of Salacia oblonga Wall. (Celastraceae): Str of a New Friendelane-Type Triterpene, Kot 16-Acetate., Chem.Pharm.Bull., 1999, 47(1 pages 1725 to 1729	e and of ructure calagenin	2,3 1,4-6	
X Y	JP 2000-86653 A (Rankaayurubetikkuhabu Y Kabushiki Kaisha), 28 March, 2000 (28.03.00), Full text (Family: none)	akuhin 5	2,3 1,4-6	
Y X	<pre>JP 11-29472 A (Research Institute For Pro Development), 02 February, 1999 (02.02.99), Full text 6 US 2002/0041904 A1 & US 6376682 B1</pre>	oduction 6	2,3 1,4-6	
X Y	Osami KAJIMOTO et al., "Salacia reticulat Mizu Chushutsubutsu ni Okeru Kyokaigata O Keisho 2-gata Tonyobyo Shorei ni Taisuru Koka", Journal of Japanese Society of Nut and Food Science, 2000, 53(5), pages 199 full text	yobi Rinsho 7	2,3 5,6	
X Y	JP 2001-103928 A (Fancl Corp.), 17 April, 2001 (17.04.01), Full text (Family: none)	8	2,3 5,6	
Y	WO 01/49674 A2 (SIMON FRASER UNIVERSITY), 12 July, 2001 (12.07.01), Full text & AU 200126591 A & US 6455573 B1 & EP 1248779 A2 & CN 1404476 A & JP 2003-519220 A & US 2003/0191104	9	1-6	
А	JP 2002-104979 A (Nippon Kefia Kabushiki 10 April, 2002 (10.04.02), (Family: none)	Kaisha),	5,6	

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P,X P,Y	Masayuki YOSHIKAWA et al., "Thai-san Salacia chinesis no Seibutsu Kassei: α-Glucosidase Sogai Kassei o Shihyo to shita Hinshitsu Hyoka", Journal of the Pharmaceutical Society of Japan, 2003, 123(10), pages 871 to 880	2,3 1,4-6	
P,X P,Y	JP 2003-171299 A (Bio Venture Bank Co., Ltd.), 17 June, 2003 (17.06.03), (Family: none)	2,3 5,6	
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